

APPENDIX A

1. (Currently Amended) An adjustable gas nozzle comprising, in combination:
 - a nozzle body member having an elongated passageway therethrough with an inlet opening at a first end and an outlet at a second end;
 - a conduit connected to the nozzle body member;
 - an adjusting member disposed intermediate the conduit and the nozzle body member and having a first end with a first restricted orifice disposed proximate to the ~~first~~ second end of the nozzle body member, and a second end having a second orifice, said first and second ends having a first passageway intermediate thereto providing fluid communication intermediate the first restricted orifice and the second orifice;
 - a coupling between said conduit and said body member to permit first and second alternative positions therebetween;
 - a by-pass passageway around the first passageway of the adjusting member and said first restricted orifice;
 - cooperative surfaces in said first position to seal between said body member and said adjusting member to close off flow through said by-pass passageway to permit a first gas flow through the first restricted orifice and second orifice in series so that gas flow rate is regulated by said first restricted orifice;
 - cooperating means associated with said adjusting member and said conduit upstream of said cooperating surfaces for limiting the displacement of said nozzle body member relative to said conduit in said first position;
 - said nozzle body member being moveable into said second position relative to said conduit to relieve the seal between the said body member and said adjusting member to permit a

second gas flow of an amount greater than said first gas flow through the combination of said first restricted orifice and said by-pass passageway wherein flow through the by-pass passageway does not flow through the first passageway; and

a seal distinct of the coupling provided between said conduit and said nozzle body member ~~to preclude~~ and integral to at least one of the conduit and nozzle body precluding leakage of gas therebetween in both the first and second positions.

2. (Original) An adjustable gas nozzle as recited in claim 1, wherein said seal comprises ribs on said conduit.

3. (Original) An adjustable gas nozzle as recited in claim 1, wherein the material of one of said conduit and body member is harder than the other.

4. (Cancelled)

5. (Currently Amended) An adjustable gas nozzle as recited in claim 4 3, wherein the seal is located intermediate the coupling and the outlet of the nozzle body member.

6. (Previously Presented) An adjustable gas nozzle as recited in claim 1, wherein said restricted orifices and said outlet are coaxial, and said first restricted orifice is smaller than the outlet of said nozzle body member.

7. (Previously Presented) An adjustable gas nozzle as recited in claim 1, wherein said cooperating means includes an annular shoulder about an anterior wall of said conduit; and
a plurality of legs elongated longitudinally along the adjusting member spaced longitudinally from the first restricted orifice of said adjusting member and positionable on said annular shoulder, the space between adjacent legs providing the by-pass passageway for gas flow therebetween when said cooperative surfaces are not engaged.

8. (Original) An adjustable gas nozzle as recited in claim 7, wherein said seal comprises ribs on the conduit.

9. (Original) An adjustable gas nozzle as recited in claim 7, wherein the material of one of said conduit and body member is harder than the other.

10. (Cancelled)

11. (Currently Amended) An adjustable gas nozzle as recited in claim 4 9, wherein the seal is located intermediate the coupling and the outlet of the nozzle body member.

12. (Original) An adjustable gas nozzle as recited in claim 6, wherein said cooperating means includes an annular shoulder about an anterior wall of said conduit; and

a plurality of legs elongated longitudinally along the adjusting member spaced longitudinally from the outlet of said adjusting member and positionable on said shoulder, the

space between adjacent legs providing a passageway for gas flow therebetween when said cooperative surfaces are not engaged.

13. (Original) An adjustable gas nozzle as recited in claim 12, wherein said seal comprises ribs on the conduit.

14. (Original) An adjustable gas nozzle as recited in claim 13, wherein the material of one of said conduit and body member is harder than the other.

15. (Cancelled)

16. (Currently Amended) An adjustable gas nozzle as recited in claim 4 14, wherein the seal is located intermediate the coupling and the outlet of the nozzle body member.

17. (Currently Amended) An adjustable gas nozzle comprising, in combination:

a nozzle body member having an elongated passageway therethrough with an inlet opening at a first end and an outlet at a second end;

a conduit connected to the nozzle body member;

an adjustment member disposed intermediate the conduit and the nozzle body member and having a first non-adjustable restricted orifice at the end of the adjustment member proximate to the ~~first~~ second end of the nozzle body member;

a coupling between said conduit and said body member to permit first and second alternative positions therebetween;

a by-pass passageway around the adjusting member and said first restricted orifice;
cooperative surfaces in said first position to seal between said body member and said adjusting member to close off flow through said by-pass passageway to permit a first gas flow through the first restricted orifice so that gas flow rate is regulated by said first restricted orifice;
cooperating means associated with said adjusting member and said conduit upstream of said cooperating surfaces for limiting the displacement of said nozzle body member relative to said conduit in said first position;
said nozzle body member being moveable into said second position relative to said conduit to relieve the seal between the said body member and said adjusting member to permit a second gas flow of an amount greater than said first gas flow through the combination of said first restricted orifice and said by-pass passageway; and
an integral seal distinct from the coupling provided between said conduit and said nozzle body member to preclude leakage of gas therebetween in both the first and second positions.

18. (Previously Presented) An adjustable gas nozzle as recited in claim 17, wherein said seal comprises ribs on said conduit.

19. (Previously Presented) An adjustable gas nozzle as recited in claim 18, wherein the material of one of said conduit and body member is harder than the other.

20. (Previously Presented) An adjustable gas nozzle as recited in claim 19, wherein said conduit has an end and said seal is disposed intermediate the coupling and the end of the conduit.